

12.3.56

RECEIVED

FEB - 5 1996

DEPT. OF ECOLOGY



January 25, 1996

117627.A0.ZZ

Mr. David N. Mendenhall
Longview Fibre Company
PO Box 639
Longview, WA 98692

Dear Dave:

Subject: Groundwater Monitoring Results from the LFC Seattle Plant

This letter report has been prepared in accordance with Purchase Order #LV147539-L.

CH2M HILL sampled monitoring wells MW-2 and MW-3 at the LFC Seattle Plant on September 26, 1995 and November 28, 1995. The wells are located at the west end of the facility as shown in Figure 1. Please note: MW-1 had been removed during previous excavation and was not sampled by CH2M HILL.

At each well, water level was measured first then the well was purged three well casing volumes prior to sampling with a PVC bailer. Purge water was placed in a 55 gallon drum for disposal by LFC staff. During purging, the temperature, pH, and conductivity of each purge volume was measured. Field measurements and the sampling methodology for each sampling event are presented in Appendix A

Each sample was analyzed for benzene, ethylbenzene, toluene, xylene, chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and total fuel hydrocarbons (diesel) at Columbia Analytical Services, Inc. using EPA method 8020 (for BETX etal.) and WTPHD- (for total fuel hydrocarbons/diesel). Table 1 summarizes the laboratory analytical results. Laboratory data sheets and Chain-of Custody forms are presented in Appendix B.



Table 1 -- Summary of Analytical Results at the LFC Seattle Plant (Sept 95/Dec 95)			
Analyte	MRL (ug/L)	MW-2 (ug/L)	MW-3 (ug/L)
Benzene	0.5	ND ND	ND ND
Toluene	1	ND ND	ND ND
Chlorobenzene	0.5	ND ND	ND ND
Ethylbenzene	1	ND ND	ND ND
m-,p-Xylene	1	ND ND	ND ND
o-Xylene	0.5	ND ND	ND ND
1,3-Dichlorobenzene	1	ND ND	ND ND
1,4-Dichlorobenzene	1	ND ND	ND ND
1,2-Dichlorobenzene	1	ND ND	<4(a) <3(a)
Diesel	250	413(b) ND	280,000(c) 23,500
Oil	750	221(d) ND	15,000(c) 1,880
(a) MRL elevated because of matrix interferences			
(b) Chromatogram did not match the typical diesel fingerprint			
(c) Diluted sample			
(d) Chromatogram did not match the typical oil fingerprint			

Based on these results, it appears that there is still some residual hydrocarbon product beneath the west end of the site from the 1987 tank leak. We recommend that LFC continue to monitor the situation.

Mr. David N. Mendenhall

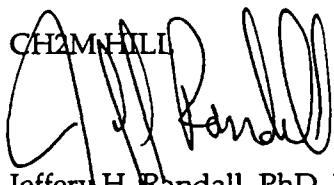
Page 3

January 25, 1996

117627.A0.ZZ

Please call me if you have any questions or comments. I'm am looking forward to continue our service to Longview Fibre.

Sincerely,

CH2M HILL


Jeffery H. Randall, PhD, PG
Senior Project Manager

SEA/gwm_rpt.doc
Enclosure